

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : PROVIDING POT HOLE FILLING IN WARD NO.01 OF YELAHANKA SUB DIVISION

				Estimate Cost Rs.				20.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
	Cross Cuttings	Cum							
			5	5.00	0.50	0.20	2.50		
			3	5.50	0.80	0.20	2.64		
			10	6.00	0.60	0.15	5.40		
			1	5.00	0.50	0.20	0.50		
			3	5.50	0.60	0.20	1.98		
			2	6.00	0.75	0.15	1.35		
			15	6.00	0.60	0.20	10.80		
			10	7.50	0.80	0.20	12.00		
			5	8.00	0.60	0.20	4.80		
	Longitudinal Cuttings								
			1	300.00	1.80	0.20	108.00		
			1	180.00	1.80	0.15	48.60		
			1	20.00	1.80	0.20	7.20		
			1	150.00	1.80	0.20	54.00		
			1	210.00	1.80	0.15	56.70		
			1	140.00	1.80	0.20	50.40		
			1	140.00	1.20	0.20	33.60		
	Pot holes								
			12	1.70	2.45	0.20	10.00		
			6	1.50	1.20	0.20	2.16		
			5	2.30	2.50	0.20	5.75		
			7	1.20	1.50	0.20	2.52		
			12	1.70	2.45	0.15	7.50		
			6	2.00	2.50	0.20	6.00		
			8	2.00	1.90	0.20	6.08		
			8	3.50	2.90	0.15	12.18		
			4	1.00	0.50	0.20	0.40		
			6	3.00	3.10	0.10	5.58		
			4	2.50	2.30	0.20	4.60		
	for CC Road								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Pot Holes		10	2.50	2.00	0.20	10.00		
			8	2.20	1.60	0.25	7.04		
			12	2.50	2.30	0.20	13.80		
			6	2.45	1.70	0.25	6.25		
			10	4.00	0.60	0.20	4.80		
							505.12	184.73	93309.00
	Basic Rate	157.00							
	AD-HOC 11%	17.27							
	Sub-Total	174.27							
	Area Weightage @ 6%	10.46							
	Total	184.73							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
	Cum								
			Qty Vide Item No.1				505.12	111.00	56068.00
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms	32.00							
	Add loading and unloading (Item No 17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	111.00							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.157 & I.No.20.18)								
	Cross Cuttings	cum							
			5	5.00	0.50	0.15	1.88		
			3	5.50	0.80	0.15	1.98		
			10	6.00	0.60	0.15	5.40		
			1	5.00	0.50	0.15	0.38		
			3	5.50	0.60	0.15	1.49		
			2	6.00	0.75	0.15	1.35		
			15	6.00	0.60	0.15	8.10		
			10	7.50	0.80	0.15	9.00		
			5	8.00	0.60	0.15	3.60		
	Longitudinal Cuttings								
			1	300.00	1.80	0.15	81.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	180.00	1.80	0.15	48.60		
			1	20.00	1.80	0.15	5.40		
			1	150.00	1.80	0.15	40.50		
			1	210.00	1.80	0.15	56.70		
			1	140.00	1.80	0.15	37.80		
			1	140.00	1.20	0.15	25.20		
	Pot holes								
			12	1.70	2.45	0.15	7.50		
			6	1.50	1.20	0.15	1.62		
			5	2.30	2.50	0.15	4.31		
			7	1.20	1.50	0.15	1.89		
			12	1.70	2.45	0.15	7.50		
			6	2.00	2.50	0.15	4.50		
			8	2.00	1.90	0.15	4.56		
			8	3.50	2.90	0.15	12.18		
			4	1.00	0.50	0.15	0.30		
			6	3.00	3.10	0.15	8.37		
			4	2.50	2.30	0.15	3.45		
							384.54	1962.57	754689.00
	Basic Rate	1668.00							
	AD-HOC 11%	183.48							
	Sub-Total	1851.48							
	Area Weightage @ 6%	111.09							
	Total	1962.57							
filling of potholes and Patch Repairs with Bituminous Concrete ,40mm Removal of all failed material,trimming of completed exavation to provide firm vertical faces cleaning of surface, pai nting of tack coat on the sides and base of exavation as per clause 500.3,back filling the pot holes with hot bituminous material as per clause 500.4, compacting trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH specifications No.3004.2 (Page No.257/Item No.35.5)									
	Cross Cuttings	Sqm							
			5	5.00	0.50		12.50		
			3	5.50	0.80		13.20		
			10	6.00	0.60		36.00		
			1	5.00	0.50		2.50		
			3	5.50	0.60		9.90		
			2	6.00	0.75		9.00		
			15	6.00	0.60		54.00		
			10	7.50	0.80		60.00		
			5	8.00	0.60		24.00		
	Longitudinal Cuttings								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	300.00	1.80		540.00		
			1	180.00	1.80		324.00		
			1	20.00	1.80		36.00		
			1	150.00	1.80		270.00		
			1	210.00	1.80		378.00		
			1	140.00	1.80		252.00		
			1	140.00	1.20		168.00		
	Pot holes								
			12	1.70	2.45		49.98		
			6	1.50	1.20		10.80		
			5	2.30	2.50		28.75		
			7	1.20	1.50		12.60		
			12	1.70	2.45		49.98		
			6	2.00	2.50		30.00		
			8	2.00	1.90		30.40		
			8	3.50	2.90		81.20		
			4	1.00	0.50		2.00		
			6	3.00	3.10		55.80		
			4	2.50	2.30		23.00		
							2563.61	335.33	859658.00
	Basic Rate	285.00							
	AD-HOC 11%	31.35							
	Sub-Total	316.35							
	Area Weightage @ 6%	18.98							
	Total	335.33							
KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P.12/I.4.3)									
for CC Road	Cum								
			10	2.50	2.00	0.10	5.00		
			8	2.20	1.60	0.10	2.82		
			12	2.50	2.30	0.10	6.90		
			6	2.45	1.70	0.10	2.50		
			10	4.00	0.60	0.10	2.40		
							19.62	5726.51	112326.00
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	5726.51							
6	KSRRB M600-6. Cement concrete pavement. Construction Un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and size graded granite metal , coarse and fine aggregate with superplastisiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.(P.No.177 / It.No.22.6.1)								
	for CC Road	Cum							
			10	2.50	2.00	0.10	5.00		
			8	2.20	1.60	0.10	2.82		
			12	2.50	2.30	0.10	6.90		
			7	2.45	1.70	0.10	2.92		
			10	4.00	0.60	0.10	2.40		
							20.03	6114.79	122488.00
	Basic Rate	5197.00							
	AD-HOC 11%	571.67							
	Sub-Total	5768.67							
	Area Weightage @ 6%	346.12							
	Total	6114.79							
	Miscellaneous and unforeseen charges	LS							1462.00
	Grand Total Amount								2000000.00
	(Rupees Twenty Lakhs Only)								

CERTIFICATE

- The site has been inspected and the work is found to be necessary.
 The rates adopted are as per PW, P I WTD SR of 2016-17 and data rate of Bangalore Circle.
 The provisions were made in this estimate are necessary and adequate.
 The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
 This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.01

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval

Accorded For **Rs. 20.00 Lakh**
 Head of A/C **P.1771**
 CER NO **231** Dt: **02.2.18**

TA **CE (YNIQ)**

TECHNICALLY SANCTIONED FOR Rs. **20.00 Lakh**
 Rupees **Twenty Lakh**
 Under **P.1771 - 2017-18**
 Registered as CE () No. **9 9**
 Subject to conditions contained in
 enclosed memo EE () No. **/9/**
 Dt. **16.02.18** Estimate A/ Sanctioned
 Dated **16.02.18** Rs. **20.00 Lakh**

Executive Engineer

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

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AREA 10.7 Sq Km

No. of Properties : 7264	
Apartment	1
Commercial	180
Educational Institutions	15
Govt Office	15
Industrial	15
Open Space	15
Other	15
Residential Commercial	15
Residential	15
Under Construction	15
Water Plot	15
Waste	15
Other	15
Total Length of Roads (In Meters) 88054.0	
Major Road	15
Intermediate Road	15
Minor Road	15

Legend

- Major Road
- Intermediate Road
- Minor Road